Recreational Use Attainability Analysis

Cover Sheet

Water Body Name: Rattlesmake Creek
Water Body Identification #:520
Completed UAA Checklist:
Pre-Field Preparatory Data Sheet
Maps with actual survey sites marked
Data Sheet A
Data Sheet B – 3 of 3 pages for each site Number of Sites:
Data Sheet C (if applicable)
O Number of Interviews:
Photographs
O Quantities
■ Upstream
• Downstream 6
• Other
I, the undersigned, hereby affirm to the best of my knowledge, that all information reported in this UAA is true and accurate.
Signed: A Gallaido Date: 07/20/2006
County of collection of
Printed Name: CAVOIIVA 6A I AVAD Telephone #: 410) 356-9993
Organization: Tetra Tech, INC Position: Salphist
·

<u>Pre-Field Preparatory Data Sheet</u> <u>for Recreational Use Stream Surveys</u>

Water Body Name: Rattlesnak (from USGS 7.5' quad)	ie Creek					
8-digit HUC: 10280101	Missouri Water Body Identification (WBID) #: 520					
County: LIVINGSTOM						
Upstream Legal Description:						
Downstream Legal Description:						
Discharger Facility Name(s): 500+hv	vest Livington R-1					
Discharger Permit Number(s): MOØ91345						
Weather Conditions for Past 7 days:	Thumid, sunny					

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest.

wbid # <u>520</u>

Date: 07/20 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

Water Body Name: Rattlesnake cruk

WBID #: 52D

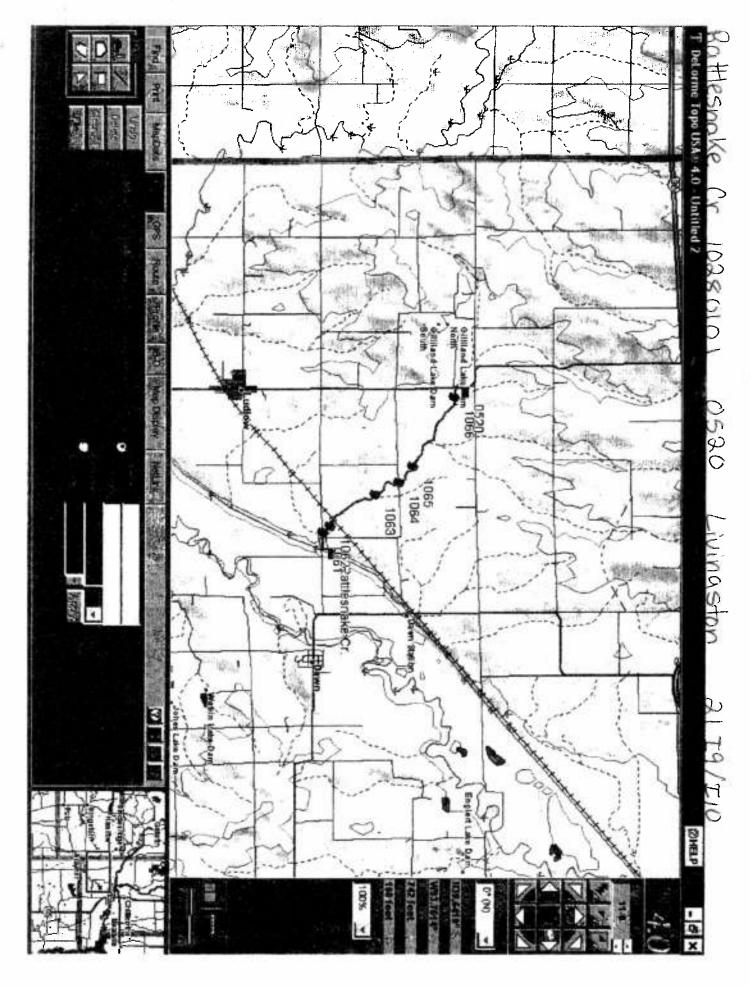
Upstream Coordinates: 39. 67020, 93. 66666

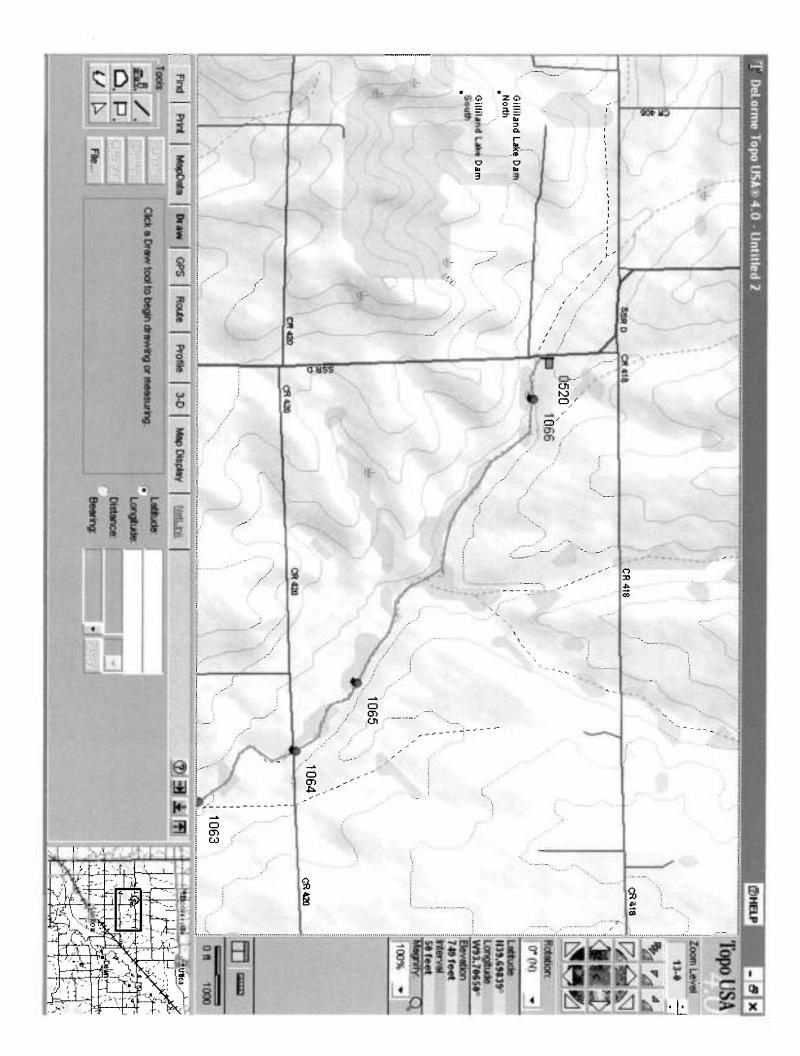
Downstream Coordinates: (WGS 84, ddd.dddd) 39. 69494, 93. 70293

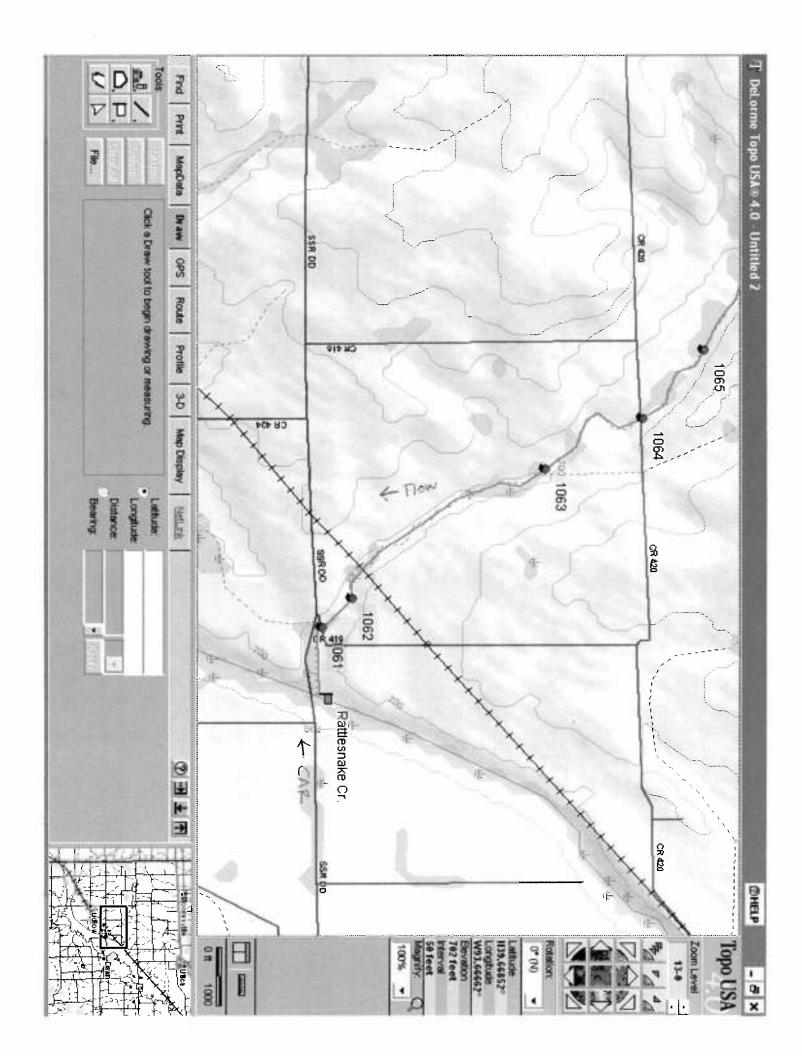
Current Weather Conditions: Hot, Numid, Sunny

Number of Sites Evaluated: 6

Name(s) of Surveyor(s): Carpling Gallardy, Ally Dewise







Date: 07/20/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

<u> </u>	_		P				
Latitude (ddd.dddd): 3	Latitude (ddd.dddd): 39 . 67020				Arrival Time:		
Longitude (ddd.dddd): 93.66666				094	15		
Photo Ids: Upstream:	12.74444	Downs	stream:	Other:			
124			1242	124	:3		
Narrative Description	of Location: (De	scribe	access point to stream, ne	arby roads, landmarks, etc.			
~30 m fr	Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.) 130 m from DD Hwy bridge crossing.						
Surrounding Condition items of interest.)	s*: (Mark all that p	oromo	te or impede recreational ı	ses. Attach photos of evide	ence or unusual		
☐ City/county parks	☐ Playgrounds		MDC conservation lands	☐ Urban areas	☐ Campgrounds		
☐ Boating accesses	☐ State parks		lational forests	☐ Nature trails	☐ Stairs/walkway		
☐ No trespass sign	☐ Fence	□s	teep slopes	Other: Fild			
Human Uses Observed	•			1.201			
	☐ Skin diving		☐ SCUBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking		☐ Boating	□ Wading	☐ Rafting		
☐ Hunting	☐ Trapping		☐ Fishing	None of the shave	Пон		
Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)							
Evidence of Human Use		****	T		T		
Roads	☐ Foot paths/prin	ts	☐ Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks		
Rope swings	☐ Camping Sites		☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle		
Other: Run Off	ditch (12	43)				
Sources of Pollution: (e.g	., trash dumping, tir	es, dra	ainages, discharges, etc.)				
Run off di	tch (124	3)					
	_						

WBID #	520	_Site#	106
Date: <u>07</u>	120 /	2006	_
			Data She
Stream Mo Upstrea		•	Dimensi

Surface Deposit:

□ Oil

eet B - Site Characterization - 2 of 3 ons: Distance from Width (m) Length (m) Avg. Depth (m) Max Depth (m) access point (m) □ Riffle □ Run 💢 Pool 1.5 40 10 0.12 0.25 🛛 Flow Present? ☐ Yes **⊠** No Velocity (ft/sec): **Downstream View Physical Dimensions:** Distance from Width (m) Length (m) Avg. Depth (m) Max Depth (m) access point (m) □ Riffle □ Run 32 X Pool 0.3 0.42 **K**Flow X No Present? ☐ Yes Velocity (ft/sec): Substrate*: (These values should add up to 100%.) % Cobble 7 % Gravel ろ0% Sand 47% Silt 20 % Mud/Clay % Bedrock Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.) NA Water Characteristics*: (Mark all that apply.) Odor: ☐ Sewage ☐ Musky None ☐ Chemical ☐ Other: Color: ☐ Clear ☐ Green ☐ Gray ⊠Milky ☐ Other: **Bottom Deposit:** ☐ Sludge Fine sediments □ Solids ☐ None ☐ Other:

☐ Foam

None

☐ Other:

☐ Scum

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID # 520 Site # 1062

Date: 07 / 20 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
	_
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Date: 07 / 20 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

 Do you live in the area? ☐ Yes ☐ No If so, how long have you lived here? 								
2. Have you per If so, plea	2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No If so, please check ALL that apply:							
☐ Swimming ☐ Skin diving ☐ SCUBA diving ☐ Tubing ☐ Water skiing								
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting				
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:				
	How often do you use it for recreation? G More than 5 times per year G 1-5 times per year C Less than 1 time per year – please describe:							
If so, plea	ise check ALL t	hat apply:	for recreation since 1	975? □ Yes □ No				
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing				
☐ Wind surfing	☐ Wind surfing ☐ Kayaking		☐ Wading	□ Rafting				
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:				
(How often have you observed it being used for recreation? G More than 5 times per year G 1 - 5 times per year G Less than 1 time per year - please describe:							
4. Additional Comments:								
Contact Informa Name:	Contact Information (if willing to provide): Name:							

Address:

Telephone #:

Date: 07/20 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd): 30	7.67111				Arrival Time:		
Longitude (ddd.dddd):	Longitude (ddd.dddd): 93 66746				100	5	
Photo Ids: Upstream:					Other:		
12	.44		1245		Ouler.		
Narrativa Dagavintia	- CT						
Narrative Description	O - O	scribe	access point to stream, ne	arby roads,	, landmarks, etc.)		
2 100 WI	2 130 m from DD Hwy bridge crossing						
Surrounding Condition tems of interest.)	18*: (Mark all that p	oromo	te or impede recreational t	ıses. Attacl	h photos of evide	nce or unusual	
☐ City/county parks	☐ Playgrounds		MDC conservation lands	☐ Urba	an areas	☐ Campgrounds	
☐ Boating accesses	☐ State parks		lational forests	□ Natu	re trails	☐ Stairs/walkway	
☐ No trespass sign	☐ Fence ☐ Steep slopes		(Othe	Other: Fields			
Iuman Uses Observed	*•						
☐ Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tub	ing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking		☐ Boating	□ Wad		☐ Rafting	
☐ Hunting	☐ Trapping		☐ Fishing	Non	e of the above		
Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)							
vidence of Human Use	**:						
☐ Roads	☐ Foot paths/prin	ts	☐ Dock/platform	☐ Lives	tock Watering	☐ RV / ATV Tracks	
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring		ES Discharge	☐ Fishing Tackle	
☐ Other:					5	I ISHING I ACKIE	
ources of Pollution: (e.g	g., trash dumping, tir	es, dra	ainages, discharges, etc.)				

WBID # 520 Site # 1062 4 Date: 07/20 / 2006 Data Sheet B - Site Characterization - 2 of 3 Stream Morphology: **Upstream View Physical Dimensions:** Distance from Width (m) Length (m) Avg. Depth (m) Max Depth (m) access point (m) □ Riffle □ Run 🛛 Pool 175 45 0.35 0.2 **≱**Flow Present? ☐ Yes X No Velocity (ft/sec): **Downstream View Physical Dimensions:** Distance from Width (m) Length (m) access point (m) Avg. Depth (m) Max Depth (m) ☐ Riffle □ Run 🗹 Pool 150 34 20 0.7 **∠**Flow No No Velocity (ft/sec): Present? ☐ Yes Substrate*: (These values should add up to 100%.) % Cobble 6 Gravel 70 % Sand **20** % Silt % Mud/Clay % Bedrock Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

Ī	Boundary of arguing from the dissessment site.)
	N/A
	·
- 1	L

Water Characteristics*: (Mark all that apply.) POOLS ONLY

Odor:	☐ Sewage	☐ Musky	☐ Chemical	None	☐ Other:	
Color:	☐ Clear	□ Green	☐ Gray	Milky	☐ Other:	
Bottom Deposit:	☐ Sludge	□ Solids	Fine sediments	□ None	☐ Other:	
Surface Deposit:	□ Oil	□ Scum	☐ Foam	None	☐ Other:	

*Segment is dry standing pools available.

QC: AD

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WBID # 520 Site # 1062

Date: 07/20/2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
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	- -

WBID # 520 Site # 1062

Date: 07/20/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

 Do you live in the area? ☐ Yes ☐ No If so, how long have you lived here? 								
2. Have you pe	rsonally used that ase check ALL t	is water body for rethat apply:	ecreation since 1975?	□ Yes □ No				
	☐ Water skiing							
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting				
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:				
3. Have you ob	How often do you use it for recreation? G More than 5 times per year G 1 - 5 times per year G Less than 1 time per year – please describe: 3. Have you observed others using this water body for recreation since 1975? No							
If so, plea	ise check ALL t	hat apply:						
Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing				
☐ Wind surfing ☐ Kayaking		☐ Boating ☐ Wading		Rafting				
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	Other:				
,	How often have you observed it being used for recreation? G More than 5 times per year G 1 - 5 times per year G Less than 1 time per year - please describe:							
4. Additional Co	omments:							
Contact Informa Name:	tion (if willing	to provide):						

Address:

Telephone #:

Date: <u>07/20/2006</u>

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3 (A separate Data Sheet B must be completed for each

		2110	et B must be completed	1 for each site)				
Latitude (ddd.dddd): 39 68338 Arrival Time:								
Longitude (ddd.dddd):	Longitude (ddd.dddd): 93. 67870				1045			
Photo Ids: Upstream:	Photo Ids: Upstream: Downstream:				10			
12	51		1252	Other:	3			
Narrative Description	Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)							
~130 m DS	~ 130 m DS of CR 445 bridge crossing 420 120 120 120 130 m DS of CR 445 bridge crossing							
Surrounding Condition items of interest.)	18*: (Mark all that	prom	ote or impede recreational u	uses. Attach photos of evide	ence or unusual			
☐ City/county parks	☐ Playgrounds		MDC conservation lands	☐ Urban areas	☐ Campgrounds			
☐ Boating accesses	☐ State parks		National forests	☐ Nature trails	☐ Stairs/walkway			
☐ No trespass sign	☐ Fence		Steep slopes	Other: Fields				
Human Uses Observed	*•							
☐ Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	·	☐ Boating	☐ Wading	☐ Rafting			
☐ Hunting	☐ Trapping		☐ Fishing	None of the above				
Describe. (include numbe	Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)							
Evidence of Human Use	*:	7-1						
☐ Roads	☐ Foot paths/prin	ts	☐ Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks			
☐ Rope swings			☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle			
Other: Run off	-ditch (125	53					
Sources of Pollution: (e.g	., trash dumping, tir	es, dr	ainages, discharges, etc.)					
Run off dita	ch (125:		<i>y</i>					
		à						

Date: 07/20/2006

Data Sheet B - Site Characterization - 2 of 3

	View Physical I Distance from	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m
☐ Riffle	access point (m)	()	Avg. Depth (iii)	Max Deptii (iii
□ Run					
Pool	115	1.7	15	0.25	124
Flow	Present?	es No	Velocity (ft/sec):		0.7
<u>Downstrea</u>	m View Physica Distance from	ıl Dimensions:			
	access point (m	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
□ Run					
Pool	145	1.8	15	0.1	0.2
Flow	Present?	es No	Velocity (ft/sec):		
			,		
	These values should Cobble 25		% Sand 5 %	0/25 1/01	
70	25	76 Glavei 70	% Sand 5 %	Silt % Mud/Cla	y % Bedro
uatic Vege	etation*: (Note am	ount of vegetation or alg	al growth at the assessme	ent site.)	
uatic Vege 40% а	etation*: (Note am Hachld a	ount of vegetation or alg	al growth at the assessme	ent site.)	
uatic Vege 40% a	etation*: (Note am Hachld a	ount of vegetation or alg	al growth at the assessme	ent site.)	
uatic Vege 40% a	etation*: (Note am Hachld a	ount of vegetation or alg	al growth at the assessme	ent site.)	
40% a	etation*: (Note am Hachld a cteristics*: (Mark	Igal coverac	al growth at the assessme	ent site.)	
40% a	Hached a	all that apply.)	Je .	ent site.) None	
40% a	Hachld a	all that apply.)	Chemical		
HO% Ca	Hachld a cteristics*: (Mark	all that apply.) Musky Green	Chemical	None □ Other:	

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QC: AD

WBID # 520 Site # 1063

Date: 07/20 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticip conditions, problems in measuring, site relocation).	ated unique local

Date: 07/ 20/ 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live If so, how	in the area? Valong have you	Yes □ No lived here?	•	7
2. Have you pe If so, ple	rsonally used the	is water body for rethat apply:	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
3. Have you obs	G 1 – 5 times G Less than served others usi	1 time per year – p	lease describe:	975? □ Yes □ No
☐ Swimming	se check ALL the Skin diving			
☐ Wind surfing	☐ Kayaking	☐ SCUBA diving ☐ Boating	☐ Tubing	☐ Water skiing
☐ Hunting	☐ Trapping	☐ Fishing	☐ Wading ☐ None of the above	☐ Rafting ☐ Other:
(G More than G 1 – 5 times G Less than 1	time per year – pl	For recreation?	
	omments:			
Contact Informa Name:	uon (11 Willing t	o provide):		

Address:

Telephone #:

Date: 07/20 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd): 3	9.68443			Arr	ival Time:	
Longitude (ddd.dddd):	93 67959				1026	
Photo Ids: Upstream:	I	Down	stream:	Oth	er:	
124	16		1247	124	19, 12:	50
Narrative Description	of Location: (De	scribe	e access point to stream, nea	arby roads, lan	dmarks, etc.)	
at CR 415 cg 420	bridge cr	055	sing.	-		
Surrounding Condition items of interest.)	18*: (Mark all that p	oromo	ote or impede recreational u	ses. Attach ph	otos of evide	nce or unusual
☐ City/county parks	☐ Playgrounds		MDC conservation lands	☐ Urban a	reas	☐ Campgrounds
☐ Boating accesses	☐ State parks	<u> </u>	National forests	☐ Nature to	ails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence		Steep slopes	Other: Fields		
Human Uses Observed	*:					
	☐ Skin diving		☐ SCUBA diving	☐ Tubing		☐ Water skiing
☐ Wind surfing	☐ Kayaking		☐ Boating	☐ Wading		☐ Rafting
☐ Hunting	☐ Trapping		☐ Fishing	None of	the above	☐ Other:
Describe: (include numbe	er of individuals rec	reatin	g, frequency of use, photo-	documentation	of evidence	of recreational uses, etc.)
Evidence of Human Use	2*:					
Roads	☐ Foot paths/prin	ts	☐ Dock/platform	☐ Livestocl	k Watering	□ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring	□ NPDES I	Discharge	☐ Fishing Tackle
Other: Trash	(1249, 12	250	0)			
Sources of Pollution: (e.	g., trash dumping, ti	res, di	rainages, discharges, etc.)			
	249, 125) (C				

WBID # 520 Site # 1064 Date: 07/20/2006

Data Sheet B - Site Characterization - 2 of 3

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
□ Riffle	point (iii)			g = spon (m)	Wiax Depth (III)
□ Run	~				
Pool	22	1.4	20	0.08	0.1
Flow	Present?	No No	Velocity (ft/sec):		
Downstroom		/			
Downsti ean	1 View Physical D Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
□ Riffle					
□ Run		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
≯ Pool	22	3.4	20	0.22	0.3
DKFlow 1	Present?	No No	Velocity (ft/sec):		<u> </u>
W. 4 . 4					
DSTrate*: (Th	nese values should add		2 1	-	
70 00	20 %	ravel 70 %	Sand 10 %	6 Silt % Mud/Clay	% Bedro
uatic Vegeta	tion*: (Note amount	of vegetation or algal	growth at the assessm	ent site)	
14	at 115 pool			on sice.)	
11/12		•			
11/A 40°	10 atachi	dalgalcov	arage at	DS and	
N/A 40°	at US pool	dalgalcou	urage at	DS pool.	
ter Characte	lo aHachle eristics*: (Mark all	dalgal COV that apply.)	urage at	DS pool.	
HOO HOO Odor:	OF OF POO 10 OHachle eristics*: (Mark all □ Sewage	that apply.)		DS pool.	
ter Characte	eristics*: (Mark all	that apply.) Musky	Chemical 1	None Other:	
ter Characte	eristics*: (Mark all Sewage Clear	that apply.) Musky Green	Chemical T	None	

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WBID # 520 Site # 1064

Date: 07 / 20 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local onditions, problems in measuring, site relocation).	
	_
	_
	_
	_

Date: 07/20/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live i		Yes □ No lived here?		, 10 w 3)
2. Have you per If so, plea	rsonally used things check ALL t	s water body for re hat apply:	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
3. Have you obs	G 1 – 5 time G Less than served others us	5 times per year s per year 1 time per year – p	lease describe:	
	ase check ALL t			
☐ Swimming ☐ Wind surfing	☐ Skin diving☐ Kayaking	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Hunting	☐ Kayaking ☐ Trapping	☐ Boating ☐ Fishing	☐ Wading ☐ None of the above	☐ Rafting ☐ Other:
How ofte	n have you obse G More than G 1 – 5 times	rved it being used it 5 times per year s per year		
4. Additional Co				
Contact Information Name:	ation (if willing	to provide):		

Address:

Telephone #:

Date: 07/20/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

(-	r deparate Bata	J1100	e B must be completed	ior cach site)	
Latitude (ddd.dddd): Z	Latitude (ddd.dddd): 39.68541				
Longitude (ddd.dddd):	93.68014			10	55
Photo Ids: Upstream:	Ι)own	stream:	Other:	,
125	54		1255	1256, 124	57
L					
Narrative Description of	of Location: (Des	scribe	access point to stream, nea	rby roads, landmarks, etc.)	
130 m 05	of CR	1	5 bridge cros	ssing.	
	<u> </u>	42	5 bridge cro: 0 1/20-2006	<i>O</i> .	
Surrounding Condition items of interest.)	S^: (Mark all that p	romo	ote or impede recreational us	ses. Attach photos of evider	nce or unusual
☐ City/county parks	☐ Playgrounds		MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks		National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	5 XS	teep slopes 1257	Sother: Fields	, — Swits Walk Way
		/ `		j, kio.	
Human Uses Observed	* • · · · · · · · · · · · · · · · · · ·				
Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking		☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping		☐ Fishing	None of the above	☐ Other:
Describe: (include numbe	er of individuals reco	eatin	g, frequency of use, photo-d	locumentation of evidence	of recreational uses, etc.)
			•		
Evidence of Human Use	.* •				
☐ Roads	☐ Foot paths/prin	ts	☐ Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring	☐ NPDES Discharge	
Other: Trash		····	Ine planing	LI NYDES Discharge	☐ Fishing Tackle
110134	(12)4)				
Sources of Pollution: (e.g	g., trash dumping, tii	es, di	rainages, discharges, etc.)		
Trash (129	56)				

	520 Site # 20 / 2006	1065				4
	D	ata Sheet B - S	Site Characte	erization – 2 of 3	3	
Stream Mor Upstream	View Physical D	imensions:				
	Distance from access point (m)) Width	(m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle						
□ Run						
Pool	160	1,	Ŷ	30	0.3	0.4
Flow	Present?	es 🕱 No	Velo	ocity (ft/sec):		
Downstre	am View Physica		:			
	Distance from access point (m)	Width	(m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle						
□ Run						
) Pool	115	1.9	B	15	03	0.44
⊠ Flow	Present? □ Y	es No	Velo	ocity (ft/sec):		
Substrate*:	(These values should	l add up to 100%.	.)			
		% Gravel	60 % Sand	5 % Sile	t 20 % Mud/Clay	y % Bedrock
	etation*: (Note am		n or algal growtl	at the assessment s	site.)	
10 %	Algal cover	ig L				
Water Char	acteristics*: (Mar	k all that apply.)				
Odor:	☐ Sewage		☐ Chem	ical Non	e 🗆 Other:	
Color:	☐ Clear	☐ Green	☐ Gray	Milk	y □ Other:	

☐ Foam

Fine sediments

□ None

None

☐ Other:

☐ Other:

☐ Solids

☐ Scum

☐ Sludge

☐ Oil

Bottom Deposit:

Surface Deposit:

QU AD

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID	#	520		Site #	1065
Date:	67	20	/	2006	

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unic conditions, problems in measuring, site relocation).	que local

Date: 07/20 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Interviews

(Make additional copies as necessary for multiple interviews)

	rsonally used thi ase check ALL t		ecreation since 1975?	☐ Yes ☐ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
	served others us	1 time per year – p	lease describe:	
	ase check ALL t			
Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing ☐ Hunting	☐ Kayaking ☐ Trapping	☐ Boating ☐ Fishing	☐ Wading ☐ None of the above	☐ Rafting ☐ Other:
How ofte	G More than G 1 – 5 times G Less than		for recreation? lease describe:	
Contact Inform				

Address:

Telephone #:

Date: 07/20/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

`			B must be completed	101 00011 0110)			
Latitude (ddd.dddd): 39 69494				Arrival Time:			
Longitude (ddd.dddd): 93. 70293				1123			
Photo Ids: Upstream:	Photo Ids: Upstream: Downstream:			Other:			
126	1261			1262			
Narrative Description o	f Location: (Des	cribe	access point to stream, nea	rby roads, landmarks, etc.)			
at HWY D	bridge c	ro	ssing.				
Surrounding Condition items of interest.)	s*: (Mark all that p	romo	te or impede recreational u	ses. Attach photos of evide	nce or unusual		
☐ City/county parks	☐ Playgrounds	ΠМ	IDC conservation lands	☐ Urban areas	☐ Campgrounds		
☐ Boating accesses	☐ State parks		lational forests	☐ Nature trails	☐ Stairs/walkway		
☐ No trespass sign	☐ Fence	☐ Fence ☐ Steep slopes			Other: Fillds		
Human Uses Observed*	•						
	☐ Skin diving		☐ SCUBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking		☐ Boating	□ Wading	☐ Rafting		
☐ Hunting	☐ Trapping		☐ Fishing	None of the above	☐ Other:		
Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)							
Evidence of Human Use	.* •						
Roads	☐ Foot paths/prints		☐ Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks		
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle		
Other: Trash (1242)							
Sources of Pollution: (e.g	g., trash dumping, ti	res, dr	rainages, discharges, etc.)				
Trash (1262)						

QC: AD

Date: 07/20/2006

Data Sheet B - Site Characterization - 2 of 3

	Distance from access point (m)	Width (m)	Length (m)	A	Avg. Depth (m)	Max Depth (m)
□ Riffle						
□ Run						
Pool	10	3.1	8		0.44	0.55
≱ Flow	Present?	es DXNo	Velocity (ft/sec):		· · · · · · · · · · · · · · · · · · ·	<u> </u>
	m View Physical Distance from					
	Distance from access point (m)	Width (m)	Length (m)	A	Avg. Depth (m)	Max Depth (m)
□ Riffle	Distance from	Width (m)	Length (m)	A	Avg. Depth (m)	Max Depth (m)
	Distance from	Width (m)	Length (m)	A	avg. Depth (m)	Max Depth (m)
□ Riffle	Distance from	Width (m) 2.4	Length (m)	A	Avg. Depth (m)	
□ Riffle	Distance from access point (m)	2.4		A		Max Depth (m)
☐ Riffle ☐ Run ☐ Pool ☐ Flow	Distance from access point (m) 27 Present?	2.4 es 🗆 No	25	A		
☐ Riffle ☐ Run ☐ Pool ☐ Flow estrate*: (Distance from access point (m) 27 Present?	2.4 es □ No add up to 100%.)	25 Velocity (ft/sec):	6 Silt		

20% algal coverage.

					·
Water	Char	acteristi	cs*: (M	ark all tl	nat apply.)

Odor:	□ Sewage	☐ Musky	☐ Chemical	None	☐ Other:	
Color:	□ Clear	☐ Green	☐ Gray	Milky	☐ Other:	
Bottom Deposit:	□ Sludge	□ Solids	Fine sediments	□ None	☐ Other:	······································
Surface Deposit:	□ Oil	□ Scum	□ Foam	None	☐ Other:	

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID # 520 Site # 1066

Date: 07 / 20 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).				

Date: 07 / 20 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

			sary for muniple inter	views)			
 Do you live in the area? ☐ Yes ☐ No If so, how long have you lived here? 							
2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No If so, please check ALL that apply:							
☐ Swimming	☐ Skin diving ☐ SCUBA diving ☐ Tubing ☐ Water skiing						
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting			
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:			
How often do you use it for recreation? G More than 5 times per year G 1 - 5 times per year Less than 1 time per year - please describe: 3. Have you observed others using this water body for recreation since 1975? No							
If so, plea	se check ALL t	hat apply:	Tor recreation since 1	975? □ Yes □ No			
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting			
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:			
How often have you observed it being used for recreation? G More than 5 times per year G 1 - 5 times per year G Less than 1 time per year - please describe:							
4. Additional Comments:							
Contact Information (if willing to provide): Name:							

Address:

Telephone #:



Site# 1061 Photo ID# 1241, Upstream



Site# 1061 Photo ID# 1243, Ditch



Site# 1061 Photo ID# 1242, Downstream



Site# 1062 Photo ID# 1244, Upstream



Site# 1062 Photo ID# 1245, Downstream



Site# 1063 Photo ID# 1252, Downstream



Site# 1063 Photo ID# 1251, Upstream



Site# 1063 Photo ID# 1253, Ditch



Site# 1064 Photo ID# 1246, Upstream



Site# 1064 Photo ID# 1249, Trash



Site# 1064 Photo ID# 1247, Downstream



Site# 1064 Photo ID1250, Trash



Site# 1065 Photo ID# 1254, Upstream



Site# 1065 Photo ID# 1256, Trash



Site# 1065 Photo ID# 1255, Downstream



Site# 1065 Photo ID1257, Trash



Site# 1066 Photo ID# 1261, Upstream



Site# 1066 Photo ID# 1262, Trash



Site# 1066 Photo ID# 1260, Downstream